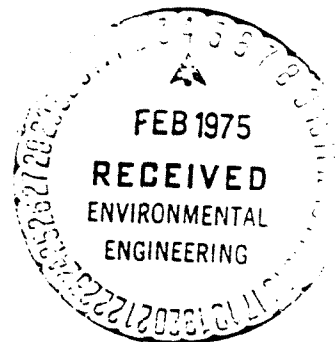




LELAND G. G. Miller

NORTH DAKOTA STATE DEPARTMENT OF HEALTH
Air Pollution Control Program
State Capitol
Bismarck, North Dakota 58501

ANNUAL EMISSION INVENTORY REPORT
FORM AP 301
FUEL BURNING EQUIPMENT USED FOR INDIRECT HEATING
Calendar Year 1974



1. Name of Firm or Organization: BASIN ELECTRIC POWER COOPERATIVE, INC.
2. Plant Location: Stanton, ND 58501
3. Permit to Operate Number: 730004
4. Source Unit Number (from Permit to Operate): 1
5. Type and Quantity of Fuel Used:

	PRIMARY FUEL	STANDBY FUEL
	Type <u>ND Lignite</u> Quantity per year <u>1,320,621 tons</u> (Specify Units) Delivered Cost of fuel <u>\$2.308/ton</u> (\$/Unit Quantity)	Type _____ Quantity per year _____ (Specify Units) Delivered Cost of fuel _____ (\$/Unit Quantity)
PERCENT ASH (Solid Fuel Only) Max. Min. Avg.	15.76 12.22 13.16	
PERCENT SULFUR Max. Min. Avg.	.79 .45 .53	
BTU PER UNIT Max. Min. Avg.	6,796 6,406 6,587	

6. Monthly Fuel Use:

QUANTITY			QUANTITY		
MONTH	PRIMARY FUEL	STANDBY FUEL	MONTH	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u>	Type _____		Type <u>Lignite</u>	Type _____
	Units <u>Tons</u>	Units _____		Units <u>Tons</u>	Units _____
Jan.	135,371		July	118,141	
Feb.	107,084		Aug.	122,837	
March	131,117		Sept.	109,667	
April	115,917		Oct.	38,769	
May	122,994		Nov.	92,179	
June	104,475		Dec.	122,070	

7. Hourly Fuel Use:

	QUANTITY	
	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____
Maximum	180	
Average	166	

8. Normal Schedule of Operation:

Hours Per Day 24 Weeks Per Year 49

Days Per Week 7 Peak Season Jan-Feb
(Specify Months of Year)

Total Hours Per Year 8,232

9. Stack Emissions:

POLLUTANT	QUANTITY POUNDS PER HOUR (AVERAGE)	TONS PER YEAR
Particulate	176.9	14,560
Sulfur Dioxide	1.03	8,450
Nitrogen Oxides	.94	7,700
Other (Specify)		

Basis For Quantities Listed Above:

Coal Analysis

10. Name of Person Submitting Report (Print or Type) Robert E. Peck
Title Production Superintendent Phone (701) 223-0441

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge and belief is a true, correct, and complete report.

(Signed)

Robert E. Peck Date 2/3/75